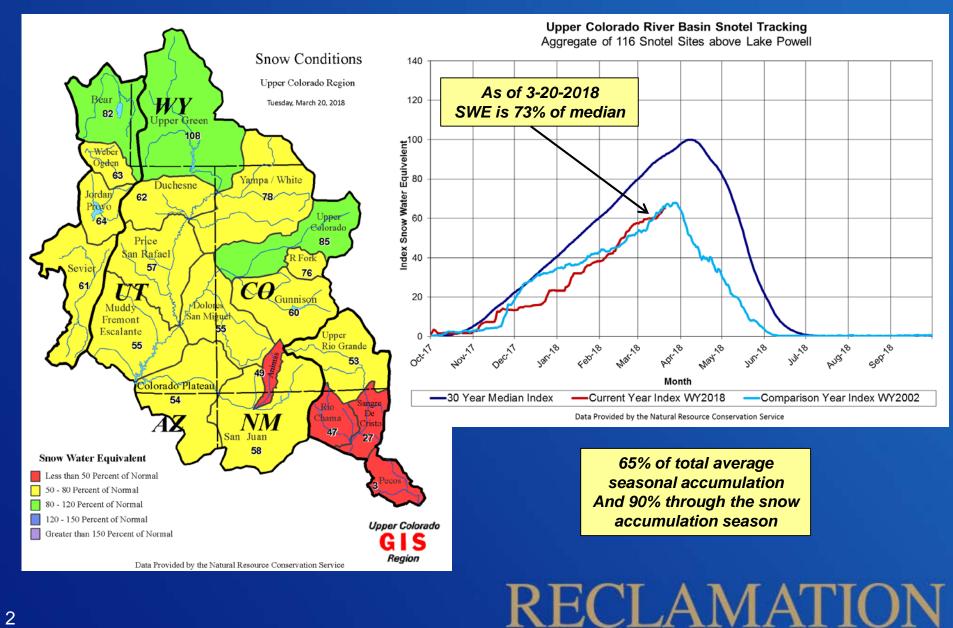
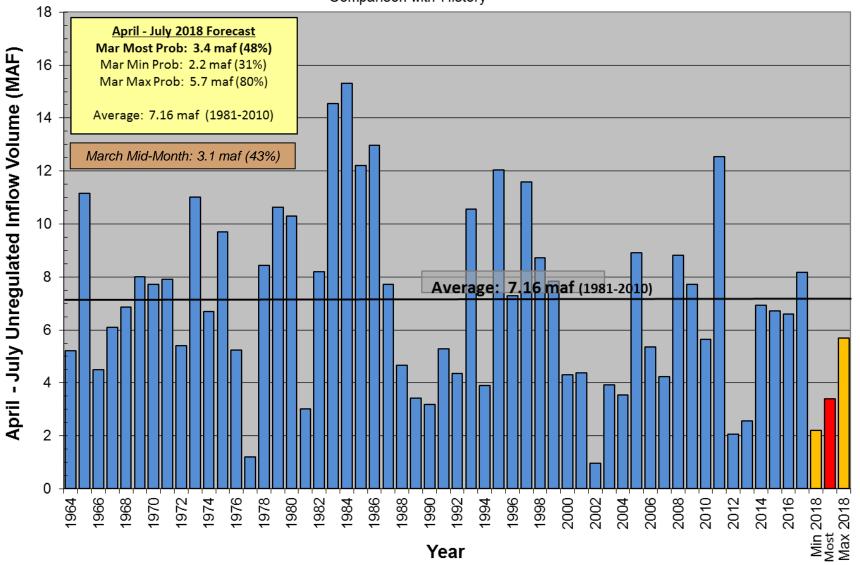
### Lake Powell Operations CRFS Spring 2018 March 29, 2018

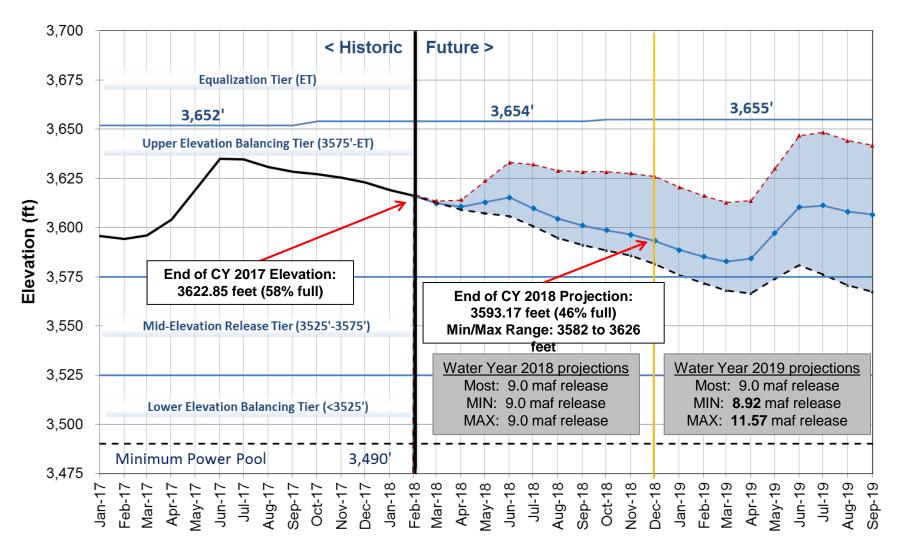
### **Snow Conditions**



#### Lake Powell Unregulated Inflow April - July 2018 Forecast Issued March 2<sup>nd</sup> Comparison with History



#### Lake Powell End of Month Elevations Historic and Projected based on January and March 2018 Modeling

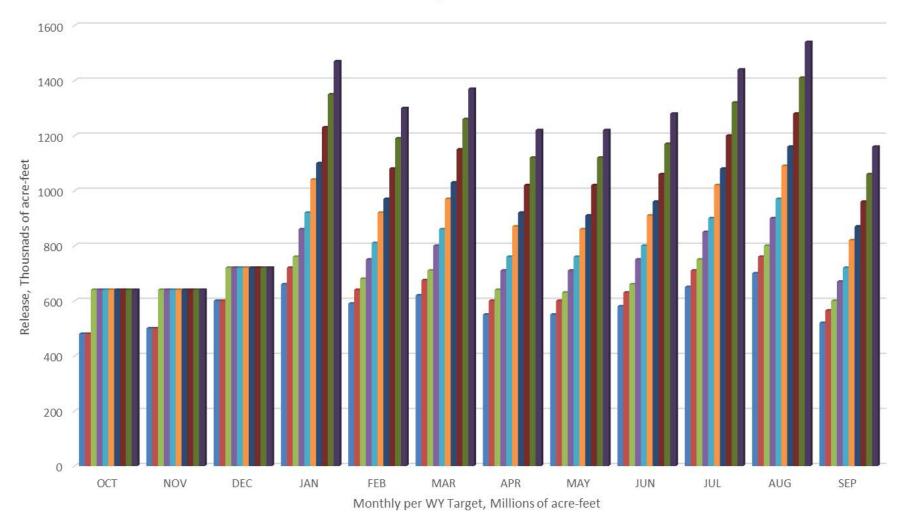


– Jan 2018 Most Probable – – – Jan 2018 Min Probable

---- Jan 2018 Max Probable

Observed

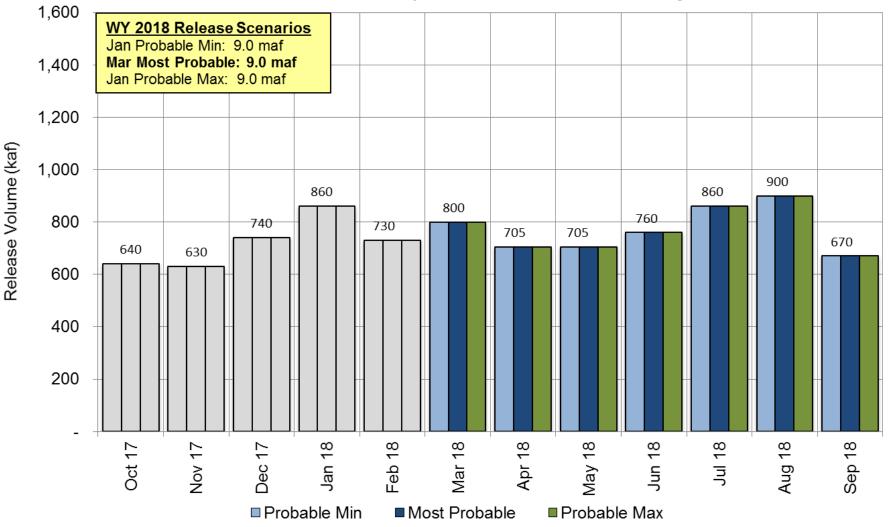
LTEMP Monthly Release Volumes

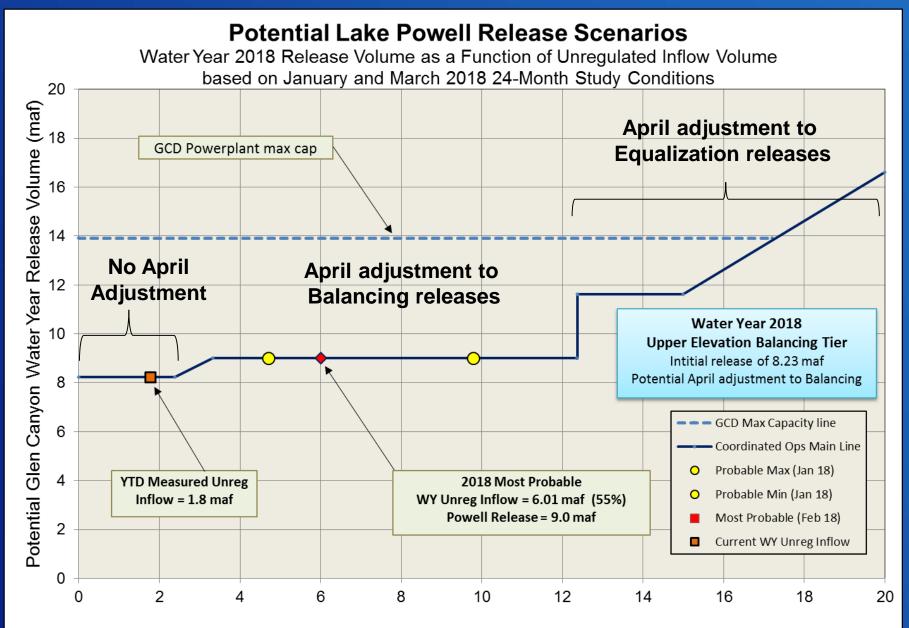


■ 7 ■ 7.48 ■ 8.23 ■ 9 ■ 9.5 ■ 10.5 ■ 11 ■ 12 ■ 13 ■ 14

### **Projected Lake Powell Monthly Release Volume Distribution**

Release Scenarios for Water Year 2018 Based on January and March 2018 modeling





Potential Water Year Unregulated Inflow Volume (maf)

Glen Canyon Power Plant Planned Unit Outage Schedule for Water Year 2018

													1
Unit Number	Oct 2017	Nov 2017	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	
1													
2													
3													
4													
5													
6													
7													
8													
Units Available	6	6/4	4/6	6	4/6	5/6	5/6	6/7	8	8	8	5	
Capacity (cfs)	21,000	13,200	13,200	20,600	13,000	12,000	15,700	19,200	26,100	26,100	26,100	12,100	
Capacity (kaf/month)	1,290	970	1,170	1,260	780	1,060	1,100	1,340	1,550	1,600	1,600	1,130	
Max (kaf) <sup>1</sup>	667	630	740	860	730	800	705	705	760	860	900	670	9
Most (kaf) <sup>2</sup>	640	630	740	860	730	800	705	705	760	860	900	670	9
Min (kaf) <sup>1</sup>	630	630	740	860	750	780	683	700	760	860	900	670	9

1 Projected release, based on Jan 2018 Min and Max Probable Inflow Projections and 24-Month Study model runs

2 Projected release, based on Mar 2018 Most Probable Inflow Projections and 24-Month Study model runs

8

(updated 3-20-2018)

Glen Canyon Power Plant Planned Unit Outage Schedule for Water Year 2019

													1
Unit Number	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	
1													
2													
3		ШН											
4													
5		Possible											
6		Ро											
7													
8													
Units Available	6	8	6	6	6	4/6	6	7	8	8	8	6	
Capacity (cfs)	19,100	26,100	19,100	19,100	19,100	12,200	19,000	22,700	26,100	26.100	26,100	19,100	
Capacity (kaf/month)	1,240	1,550	1,200	1,170	1,060	1,140	1,190	1,480	1,550	1,600	1,600	1,180	
Max (kaf) <sup>1</sup>	640	640	720	1,170	1,030	1,100	980	970	1,020	1,150	1,230	924	11.57
Most (kaf) <sup>2</sup>	640	640	720	860	750	800	710	710	750	850	900	670	9.0
Min (kaf) <sup>1</sup>	640	640	720	860	750	800	710	710	750	850	850	639	8.92

RECLA

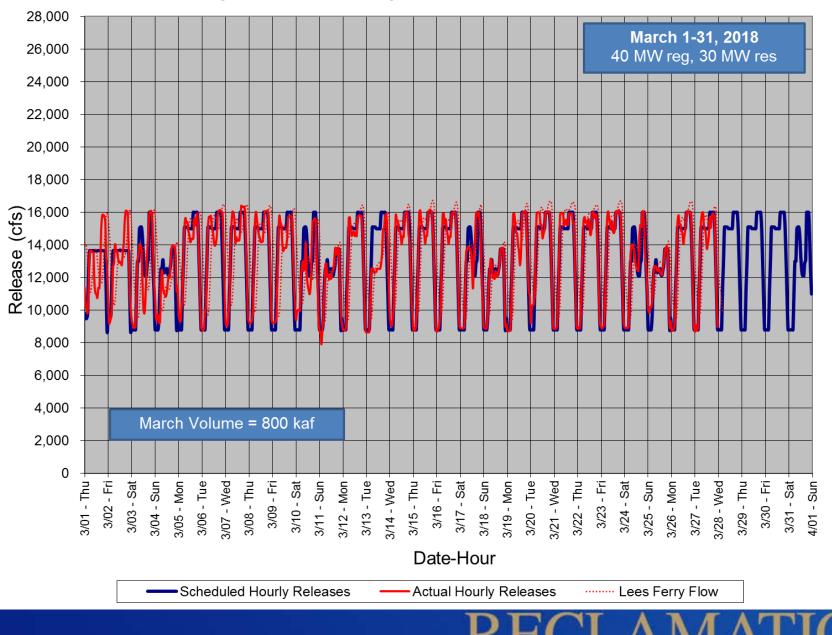
1 Projected release, based on Jan 2018 Min and Max Probable Inflow Projections and 24-Month Study model runs

2 Projected release, based on Mar 2018 Most Probable Inflow Projections and 24-Month Study model runs

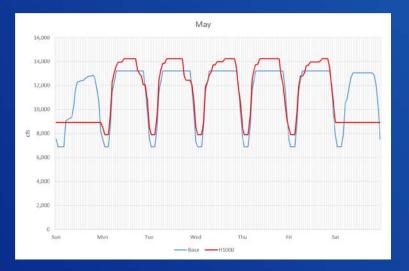
9

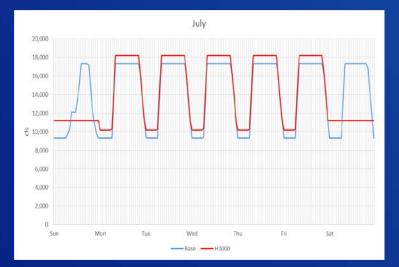
(updated 3-19-2018)

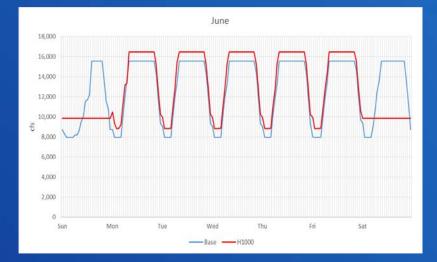
### Glen Canyon Dam Hourly Release Pattern March 2018

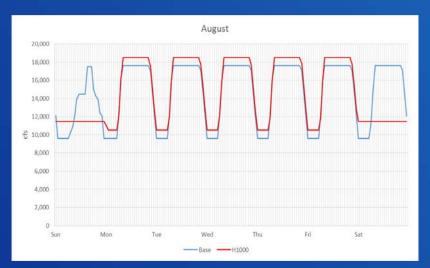


### Possible 2018 Bug Flow Experiment

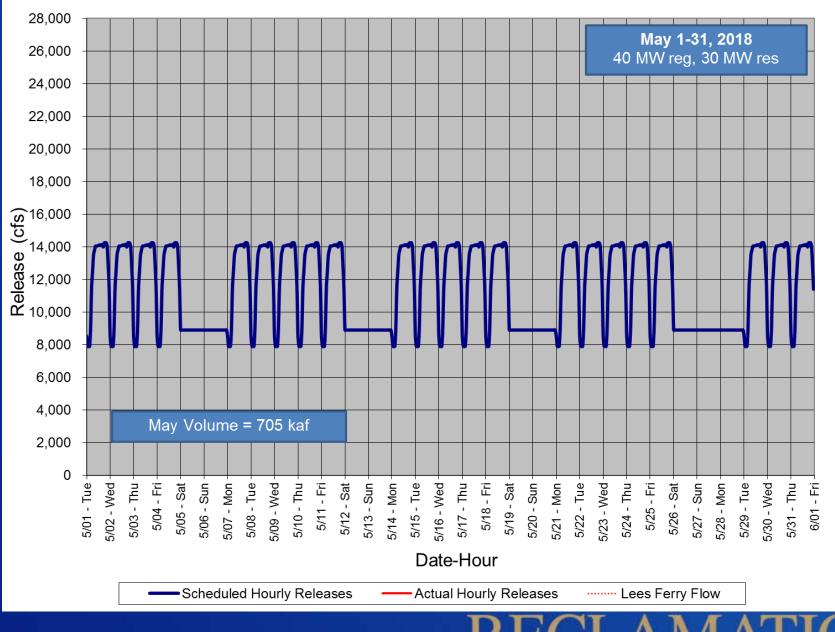




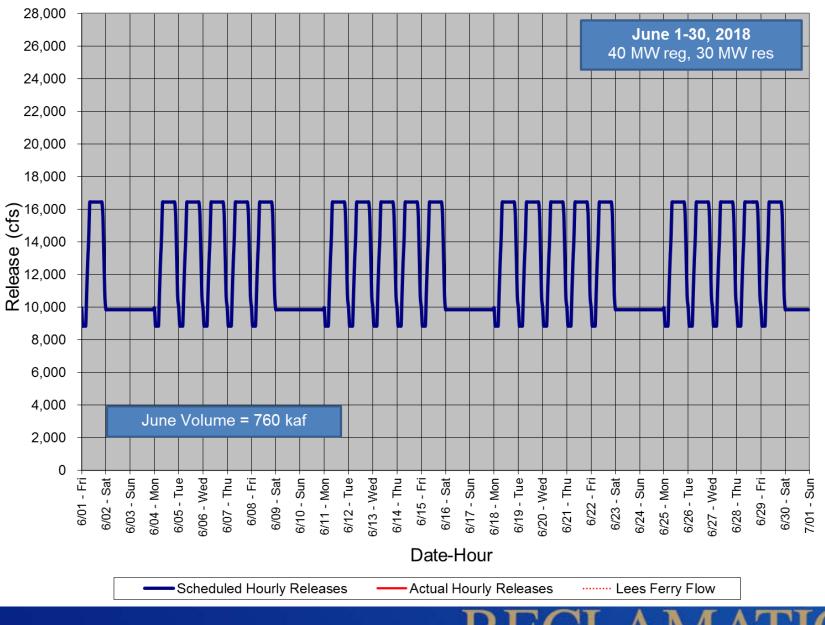




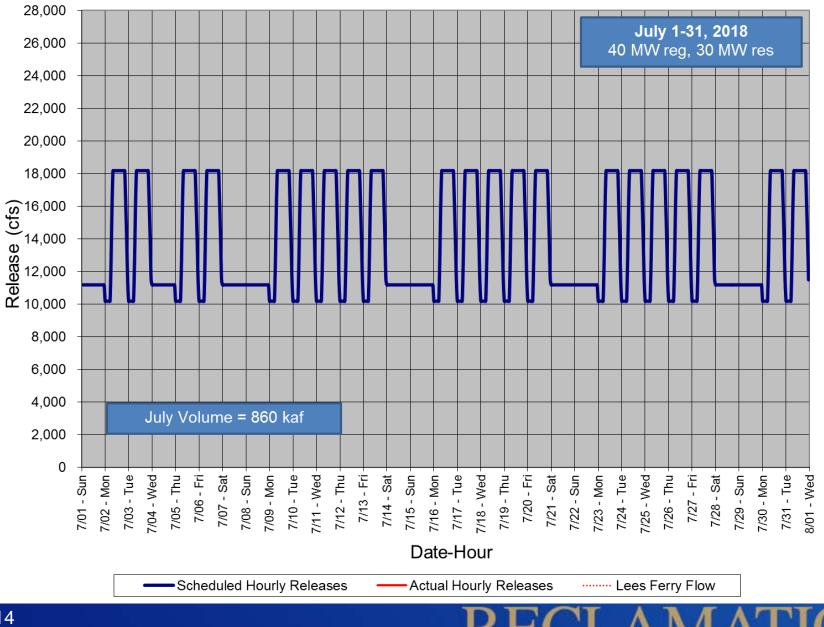
#### Potential Glen Canyon Dam Hourly Bug Flow Pattern May 2018



#### Potential Glen Canyon Dam Hourly Bug Flow Pattern June 2018



#### Potential Glen Canyon Dam Hourly Bug Flow Pattern July 2018



#### Potential Glen Canyon Dam Hourly Bug Flow Pattern August 2018

